



312.104331R00

#17

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: K. Hill et al.  
Serial No.: 09/342,707  
Filed: June 29, 1999  
For: METHOD OF FABRICATING BRAGG GRATING USING A  
SILICA PHASE GRATING MASK AND MASK USED BY SAME  
Group: 2874  
Examiner: B. Healy

RECEIVED

NOV 22 2002

TECHNOLOGY CENTER 2000

SUPPLEMENTAL AMENDMENT

E

November 21, 2002

Assistant Commissioner  
for Patents  
Washington, D.C. 20231

Sir:

approved  
for  
entry

In response to the Office Action dated November 6, 2002, and in supplement to the Amendment filed on September 3, 2002, please amend the above-identified application as follows:

In the Claims:

Please add new claims 43-54 as follows:

30 -- 43. A method of fabricating Bragg gratings in the interior of an optical waveguide comprising disposing a silica glass phase grating mask adjacent and parallel to a photosensitive optical waveguide and applying a single collimating light beam through the phase grating to said optical waveguide as a medium, said phase grating mask being a slab of silica glass having parallel corrugations on a surface thereof forming a surface relief pattern.

E